MXRT-7500

High-end 3D PCIe 4-head display controller

The MXRT-7500 is a high-end 3D PCIe display controller featuring the latest AMD FirePro™ 3D technology for leading-edge performance, flexibility and reliability. Fitted with 4GB of memory and an ultra-fast GPU, the top-of-the-line MXRT-7500 presents you with unmatched processing power for large medical datasets.The MXRT-7500 supports DirectX, OpenGL, and OpenCL and is compatible with Microsoft Windows® 7.

One board, four monitors

With the high-performance MXRT-7500, you can drive up to four full resolution displays attached via DisplayPort. As such, the board is perfect for use in 4-head configurations. This 'all-in-one' approach saves space on the PC; it simplifies the installation; and it significantly reduces the total cost of ownership.

Ultra-fast data transfers

The MXRT-7500 utilizes PCIe Gen3 technology and is compatible with the DisplayPort 1.2 interface standard, assuring ultra-fast loading of medical images and large datasets.

Flexible projection configurations

The MXRT-7500 display controller is available with Barco's Conference CloneViewTM software, which enables accurate projection of medical images onto a large-screen display.

The software tool ensures effortless cloning, scaling, zooming and panning of medical images on the large screen, making Barco displays and controllers perfectly suited for use in teaching hospitals, auditoriums and (tele)conference rooms.

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Product specifications	MXRT-7500
Bus compatibility	PCIe Gen3 x16
Power consumption	140 W
Form factor	242mm (L) x 98.53mm (H) single PCIe slot wide
Operating system	Windows 7 - 32/64-bit
Platforms	Intel® and AMD architectures
Power Connector	One 2x3 power connector
Graphics accelerator	ATI FirePro TM
Display memory	4 GB GDDR5
Memory interface	256-bit
Memory bandwidth	154 GB/s
Pixel depth	32-bit pixels (supports 8-bit and 10-bit per color channel)
Electrical standard	DisplayPort (DP) complying to v1.2
Direct3D hardware support	Microsoft® DirectX v11.1, Vertex Shader 5.0,Pixel Shader 5.0
OpenGL hardware support	OpenGL 4.2
OpenCL hardware support	OpenCL 1.2
Connectors	4-DisplayPort (DP)
Supported resolutions	Up to 5.8MP grayscale at full refresh rate (VGA at boot-up)
Approvals and compliance	FCC Part 15 Class B, EN 55022 Limit B, EN 55024, UL-60950-1, BMSI CNS, CISPR-22/24, IEC60950-1, VCCI, CSA C22.2, EU RoHS directive (2002/95/EC), Certificate of Information & Communication Equipment (Republic of Korea)
Operating temperature	0° to 60°C (32° to 140° F)
Connectivity	Single-link Display Port (DP) to DVI-Iadaptor cable (2 adaptors are included) Dual-Link DisplayPort (DP) to DVI-I adaptoravailable from Barco; Part Number K9305104

Generated on: 27 May 2014
Technical specifications are subject to change without prior notice.
Please check www.barco.com for the latest information.